



**MECHANIC - WASTEWATER
SENIOR MECHANIC - WASTEWATER**

DEFINITION

Under direct supervision, performs maintenance and repair of the wastewater treatment equipment and facilities.

SUPERVISION EXERCISED

None as Mechanic - Wastewater. Senior Mechanic - Wastewater provides functional and technical supervision over Mechanic.

EXAMPLES OF DUTIES

Duties may include but are not limited to:

Maintain, repair, install and modify wastewater equipment and facilities.

Maintain inventory of parts, supplies and equipment necessary to repair and maintain wastewater equipment and facilities.

Inspect and maintain equipment and facilities in accordance with preventive maintenance schedule laid out by the O&M Manuals for each piece of equipment.

Periodically inspect equipment and facilities to determine maintenance/repair necessity.

Participate in major maintenance activities including repair, service, and troubleshooting of equipment and machinery in wastewater treatment plants and related facilities; performs predictive, preventive, and corrective maintenance on assigned equipment and machinery; and operates and maintains a variety of hand, pneumatic, and power tools and equipment. Specifically, this individual will be responsible for performing mechanical maintenance and repair on primary, secondary or dewatering treatment facility equipment in the plant, of pipes, tubes, rods, seals, shafts, stuffing boxes, gears, motors, bearings, couplings, belt pressers, chemical storage and feed systems, valves and pumps, electrical, and diesel systems.

Perform welding in the maintenance, repair, construction, and installation of wastewater equipment and facilities.

Operates vehicles, machinery, and equipment including but not limited to boom trucks, forklifts, compressors, cranes, jackhammers, generators, and steam cleaners, pneumatic, hydraulic, and electric tools.

Completing and logging daily work and electronic service sheets; reviewing equipment service log book for previous comments or repairs on equipment; completing work orders for malfunctions identified during routine maintenance inspections; maintaining all records.

Inspects, tests, services, troubleshoots, and completes preventative maintenance tasks on electrical and instrumentation equipment, process controls, and monitoring equipment.

Assist in budget preparation and monitoring.

Perform related duties as assigned.

DISTINGUISHING CHARACTERISTICS

Incumbents in the classification of Mechanic - Wastewater will perform detailed administrative, budget, scheduling, supplies, equipment and material purchasing work at the direction of the Senior Mechanic or the Operations and Maintenance Superintendent. Incumbents in the classification of Senior Mechanic - Wastewater will perform detailed administrative, scheduling, supplies, equipment and material purchasing work or train, supervise and evaluate maintenance personnel duties at the direction of the Chief Wastewater Treatment Plant Operator.

KNOWLEDGE ABILITIES AND SKILLS

Knowledge of:

Methods, techniques, equipment and supplies used in wastewater equipment and facilities repair and maintenance. Use and operation of welding stainless steel, aluminum, and mild steel and the required equipment and materials.

Standard safety practices required by Cal OSHA in the maintenance wastewater equipment and facilities.

Ability to prepare reports, perform mathematical calculations and sort / file documents using Microsoft applications.

Record keeping and reporting.

Ability and Skill to:

Repair and maintain a variety of wastewater equipment and facilities.

Operate office equipment including computers, copying machines and phone systems.

Read, interpret and apply technical information from manuals, drawings, specifications, layouts, blueprints and schematics.

Respond to questions from the public and staff.

Plan and organize work to meet schedules and timelines.

Comply with Federal, State and local laws and City policies, procedures and codes applicable to fleet maintenance.

Communicate clearly both orally and in writing.

Perform duties of an emergency worker in the event of a natural or other disaster.

QUALIFICATIONS

Any combination of education and experience that would provide the required knowledge, abilities and skills is qualifying. A typical way to obtain the qualifications would be:

Mechanic Wastewater: High school diploma and four (4) years increasingly responsible experience in equipment and facilities maintenance and repair, preferably in the wastewater industry. Certificate in wastewater equipment maintenance and/or AA highly desirable.

Senior Wastewater Mechanic: In addition to the above, five (5) years' experience as a Wastewater Mechanic.

LICENSE OR CERTIFICATES

Possession of a valid Class B California Driver's License. Possession of Welding Certification preferred. Possession California Water Environmental Association Mechanical Technology Grade II Certification desirable. Forklift Operator Certification required within 24 months of appointment for Mechanic. Must obtain California Wastewater Treatment Operator Grade I Certificate prior to the employee's Operator in Training expires and a California Wastewater Treatment Operator Grade II Certificate required to be on standby. Completion of the 30-hours Occupational Safety and Health Administration Training Course in Construction Safety and Health.

- Wastewater classification. Senior Mechanic – Wastewater classification must have a Forklift Operator Certification at time of appointment. Possession California Water Environmental Association Mechanical Technology Grade II Certification or higher. Possession California Water Environmental Association Electrical & Instrumentation Technology Grade I Certification or higher. In addition to the above, five (5) years' experience as a Wastewater Mechanic. Welding certification.

ESSENTIAL JOB FUNCTIONS/A.D.A.

Essential job functions and A.D.A. requirements include:

Ability to operate computer, calculator, telephone, portable radio, copying machine and light and heavy equipment used in wastewater treatment plant maintenance and mechanic operations.

Ability to understand and respond to the public's and staff's requests for assistance both on the phone and in person.

Ability to sit, stand and walk for two hours at a time.

Ability to lift up to 50 pounds.

Ability to prepare reports, perform mathematical calculations and sort / file documents using Microsoft applications.

Ability to get from one location to another in the course of doing business.

Ability to work outdoors in all weather conditions including hot (with extreme sun exposure), cold and wet.